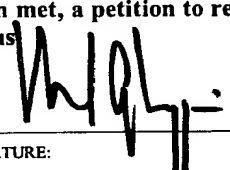


09 / 446471

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☒ A change of power of attorney and/or address letter.
16. ☒ Other items or information: **Acknowledgement postcard**
Letter of Transmittal

U.S. APPLICATION NO. (If known, see 37 CFR 1.51)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
09/446471		PCT/US98/12823		IOLL-281	
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$760.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	23 - 20 =	3	X \$18.00	\$ 54.00	
Independent claims	2 - 3 =	0	X \$78.00	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$260.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 854.00	
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	
SUBTOTAL =				\$ 854.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$ 854.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	
TOTAL FEES ENCLOSED =				\$ 854.00	
				Amount to be:	\$
				refunded	\$
				charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>854.00</u> to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-1133</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status					
SEND ALL CORRESPONDENCE TO: Mark G. Lappin McDERMOTT, WILL & EMERY 28 State Street Boston, Massachusetts 02109 Tel. 617-535-4043 Fax: 617-535-3800					
SIGNATURE: 					
Mark G. Lappin					
NAME					
26,618					
REGISTRATION NUMBER					

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Li Zhang
U.S. National Phase of
Int'l Appln. No.: PCT/US98/12823
Int'l Filing Date: 19 June 1998 (19.06.98)
Priority Date: 20 June 1997 (20.06.97)
Docket Number: IOLL-281PC (56246)
Title: FLUID PURIFICATION DEVICES AND METHODS
EMPLOYING DEIONIZATION FOLLOWED BY
IONIZATION FOLLOWED BY DEIONIZATION

CERTIFICATE OF MAILING BY EXPRESS MAIL

"Express Mail" Mailing Label Number EK244405761US I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to Box: Patent Application, Assistant Commissioner for Patents, Washington, DC 20231, Attn: RO/US.

12/20/99
Date of Deposit

Roberta L. Hahn
Roberta L. Hahn

BOX NEW APPLICATION

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

LETTER OF TRANSMITTAL

Enclosed herewith for filing in the above application are the following:

1. Transmittal Letter to the United States Designated/Elected office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371;
2. Preliminary Amendment;
3. Information Disclosure Statement; form PTO-1449, and copies of cited references;
4. Change of Attorney Address Notice;
4. Check for \$854.00; and
5. Acknowledgement postcard.

No additional costs are believed to be due in connection with the filing of this disclosure. However, please charge any necessary fees to our Deposit Account No. 501133.

Respectfully submitted,

Date: 12/20/99

Mark G. Lappin
Mark G. Lappin
Registration Number 26,618
McDermott, Will & Emery
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Boston, MA 02109
(617) 535-4065